# Crestron Adagio® AAS

## Audio Server

As the centerpiece for any home audio system, the Adagio Audio Server (AAS) provides an easy, powerful way to store and enjoy your complete music collection, with the ability to instantly access any album or track from touchpanels, keypads and computers throughout the home.

**Instant Access**
The AAS Audio Server is a hard disk based audio system which can store many hundreds of hours of music, all with the convenience of instant access from its front panel, from a computer, or from Crestron touchpanels and keypads.Whether you select a track by title, album, artist, or genre, the AAS locates it instantly and plays it at your command. And with internal hard drives up to 250GB, literally thousands of hours worth of music can be stored.

**On-Screen Menu**
Browsing through albums and tracks, ripping CDs, and organizing a complete music library is fun and easy using the onscreen menu (OSM). Displayed on a video or SVGA monitor, the OSM shows full album, track, and artist names as well as album cover art, letting you manage and play the entire music library using the front panel controls or IR remote. The same OSM can be viewed and navigated using any computer Web browser (Macromedia® Flash® required), or even a Crestron touchpanel as part of a complete control system.

**Easy Loading**
Loading an entire CD collection onto the AAS is easy. Just place a CD into the disk tray, and the AAS rips it to digital in less time than it would take to play it. Then, the AAS automatically connects to the Gracenote CDDB Music Recognition Service via an Internet connection, downloading all of the information and cover art graphics for that CD. This information can also be entered manually, building a complete database for the entire music library.

**Custom Playlists**
The AAS lets you organize and control your music collection the way you want it. Using playlists, the AAS can be customized to suit the individual tastes of each family member, with the ability to compile different playlists for different moods and occasions. At any time, just select a playlist and let the AAS be the DJ, serving up a perfect mix of music from the list of tracks that you specified.

**Multi-Zone Outputs**
With up to 4 stereo outputs, the AAS is a vital component of any multi-room audio distribution system. The discrete outputs allow up to four different tracks to play in four different rooms at once. Professional quality features ensure exceptional audio quality in every room.

**Plug-and-Play Integration**
The AAS affords easy plug-and-play setup as part of a complete Adagio system. Without any programming, Adagio delivers full access and control of the AAS from every room in the house. The AAS can also be integrated with other systems, with control provided via Ethernet or IR.

**Computer Access**
The AAS even lets you listen to your music directly on any computer and transfer tracks to portable devices using applications such as Windows Media® Player or Apple® iTunes®. Connected to your home LAN, the AAS simply behaves as a network drive allowing for easy file management.

**NAS Support***
For those music fans with immense amounts of music, or audiophiles who accept nothing less than full lossless quality, the AAS allows for increased storage capacity using NAS (Network Attached Storage) solutions available from a variety of manufactures.

> High-performance digital audio server

> Choice of 80GB or 250GB capacity

> Larger capacity possible via Network Attached Storage*

> Supports WMA, MP3 up to 320k, and uncompressed WAV formats

> Multi-zone outputs - up to 4 discrete analog outputs

> Audiophile quality - high-end Wolfson Delta-Sigma 24-bit DAC's on a dedicated audio board

> Lossless optical and coaxial digital outputs

> Access OSM control screens and view cover art on any video display, Crestron touchpanel or Flashenabled Web browser

> Access the music library from or any device running Windows Media Player, Apple iTunes, or other music player application

> Transfer PC files easily using AAS as a network drive

> Ethernet and IR controllable

> Plug-and-play integration with Adagio systems

## SPECIFICATIONS

**Operating System**

Microsoft® Windows® XP Embedded

**Ethernet**

10/100BaseT, static IP or DHCP/DNS

**Storage**

**Internal Hard Drive:** 80GB (AAS-2-80), 250GB (AAS-4)
**Network Attached Storage:** Supports Infrant ReadyNAS™ and NAS devices running Windows® Storage Server 2003; products tested include Dell™ PowerEdge™, and Iomega® StorCenter™ Pro Server*

**Encoding**

**Formats:** MP3, WMA, WAV (uncompressed)
**MP3 Bit Rates:** 128k - 320k, or variable

**Audio (Analog)**

**D-A Conversion:** Wolfson Delta-Sigma 24-bit
**Frequency Response:** 20Hz to 20kHz ±0.5dB typical
**S/N Ratio:** 100dB at 1kHz A-weighted
**Dynamic Range:** >96dB
**THD:** 0.003% at 1kHz typical
**Channel Separation:** 110dB at 1kHz typical

**Connectors**

**IR IN:** (1) 3.5 mm TRS mini-phone jack, wired IR control input; Connects directly to a Crestron IR control output port

**LAN:** (1) 8-wire RJ45 with 2 LED indicators; 10/100BaseT Ethernet port; Green LED indicates link status; Yellow LED indicates Ethernet activity

**RGBHV OUT:** (1) DB15HD female, RGB display output; Format: RGBHV; Resolution: SVGA 800 x 600 pixels; Output Voltage: 0.75 V$_{P-P}$ nominal; H and V Sync: 5.0 VP-P nominal; Output Impedance: 75 ohms (R/G/B), 100 ohms (H/V)

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**VIDEO OUT:** (1) RCA female, composite video output;
Output Voltage: 1.0 V$_{P-P}$ nominal;
Output Impedance: 75 ohms

**S-VIDEO OUT:** (1) 4-pin mini DIN female, Y/C S-Video output;
Output Voltage: 1.0 V$_{P-P}$ nominal;
Output Impedance: 75 ohms

**DIGITAL AUDIO OPTICAL OUT:** (1) JIS F05 female (TOSLINK)
optical fiber connector;
S/PDIF optical digital audio output

**DIGITAL AUDIO OUT:** (1) RCA female;
S/PDIF coaxial digital audio output;
Maximum Output Level: 0.5 V$_{P-P}$;
Output Impedance: 75 ohms

**ANALOG AUDIO OUT A - D:** (4 or 8) RCA female providing (2 or 4 depending
upon model) unbalanced stereo line-level audio outputs;
Output Level: 2 V$_{RMS}$;
Output Impedance: 600 ohms

**AC 100V-240V:** (1) IEC Socket and fuse holder;
Mates with removable power cord, included

**Note:** The following connectors are not used: COMPUTER, MODEM, USB,
DIGITAL AUDIO IN (optical or coaxial), ANALOG AUDIO IN

## LCD Display

Green LCD, 4 lines by 20 characters, adjustable LED backlight

## Controls

**OPEN/CLOSE:** (1) Pushbutton, opens and closed the CD tray
**MENU:** (1) Pushbutton, selects menu items
**SoftKeys:** (4) LCD-driven pushbuttons
**Navigation:** (4) Cursor buttons and (1) Select button for menu
navigation and selection
**Transport:** (5) buttons for PLAY, PAUSE, STOP, RWD/SKIP BACK, FFWD/SKIP AHEAD
**MODE:** (1) Mode selection button
**STANDBY:** (1) Standby/Off/On button

## LED Indicators

**ON-LINE:** (green) Indicates modem activity
**STANDBY:** (green) Indicates unit is in standby mode

## Power Requirements

60 Watts, 100-240V AC @ 50/60Hz
Uninterruptible power supply recommended, Crestron CEN-UPS1250 or similar

## Environmental

**Temperature:** 50° to 104°F (10° to 40°C)
**Humidity:** 10% to 90% RH (non-condensing)

## Enclosure

Black metal, extruded aluminum faceplate

## Dimensions

**Height:** 3.93 in (9.98 cm)
**Width:** 17.20 in (43.69 cm)
**Depth:** 14.49 in (36.08 cm)

## Weight

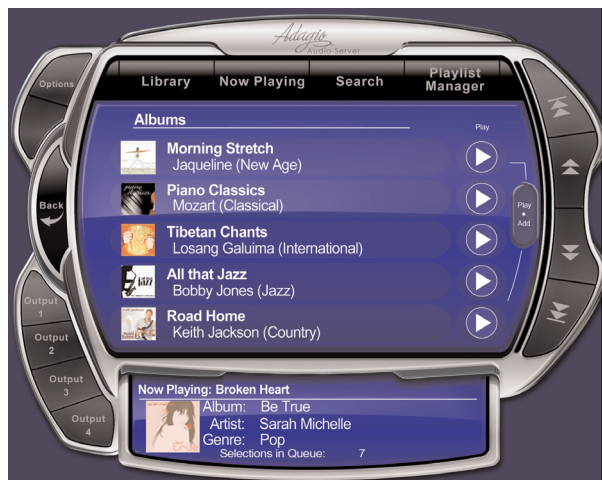18.74 lbs (8.5 kg)

# AVAILABLE MODELS

**AAS-2-80:** Adagio Audio Server, 2 outputs, 80GB
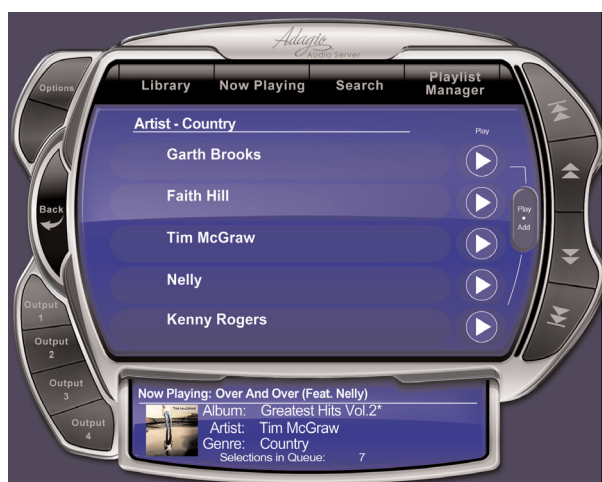
**AAS-4:** Adagio Audio Server, 4 outputs, 250GB

# AVAILABLE ACCESSORIES

**FW-NAS-AAS:** NAS Support License for AAS-2-80*

## SCREEN SHOTS



**Browser Screen:** Easily search through the Adagio Audio Server music library and select songs using the playlist manager. Select music by genre, artist, album, playlists, track, eras, and years. The lower portion of the screen displays the track currently playing and the number of selections in queue. When making selections, the choice is given to listen immediately or add it to the playlist.



**Browser Screen:** This browser screen example demonstrates browsing by artist and genre. You can select a particular artist to play immediately or add to a playlist. Underlying the browser is Gracenote MusicID™, the industry standard for digital music identification for both CDs and individual music files, providing the ability to navigate and organize any large music collection. The accurate and complete Gracenote MusicID™ information embedded in the music file provides many benefits, including this example of locating a duet with artist Tim McGraw (Country Genre) and artist Nelly (Pop Genre).
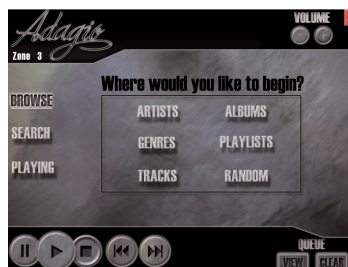
**Browser Screen:** Within the selected album, individual tracks can be selected, played immediately, or added to a playlist.
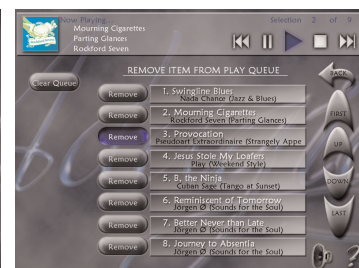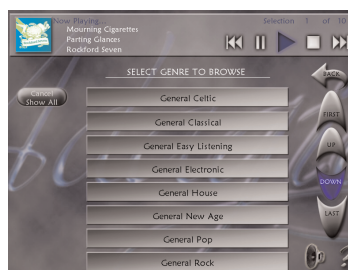


**Full Player Screen:** Displays all the information about the current selection, including elapsed time, time remaining, duration, track number, and playlist selection number. Advanced shuffle and repeat functions by songs and lists are featured.



**Playlist Manager:** Sample a selection, add it to the list and even change the queue position. Create custom playlists for every member of the house and for any occasion.



**Gadget Interface**



**Jukebox Interface**